

APPENDIX A
GEOCHEMICAL DATA

A-1
EPA (2000)

Oct 2000
sampling

USEPA REGION 9 LABORATORY
REPORT NARRATIVE

CASE NUMBER: R01S07
SAMPLE DELIVERY GROUP: 00299B, 00299C
PROGRAM: SUPERFUND
DOCUMENT CONTROL #: ESTW-9B-3810
DATE: 11/07/00
ANALYSIS: METALS
SAMPLE NUMBERS:

<u>SAMPLE ID</u>	<u>LABORATORY SAMPLE ID</u>
T-1	AB28925
T-2	AB28926
T-3	AB28927
T-4	AB28928
T-5	AB28929
T-6	AB28930
T-7	AB28931
T-8	AB28932
T-9	AB28933
T-10	AB28934
T-11	AB28935
SALT-1	AB28936
SALT-2	AB28937
SALT-3	AB28938
SALT-4	AB28939
SALT-5	AB28940
SALT-6	AB28941
SALT-7	AB28942
SALT-8	AB28943
SALT-9	AB28944
SALT-10	AB28945
SALT-11	AB28946

GENERAL COMMENTS

Twenty two solid samples were received from the Anaconda Copper Mine, Yerington Superfund project on 10/25/00.

The samples were analyzed for metals following SW-846 Methods 6010, 7471 and 7000 (GFAA metals). All mercury samples were analyzed within the required 28-day holding time. All other elements were analyzed within the required 180-day holding time. The sample results are reported in mg/Kg dry weight.

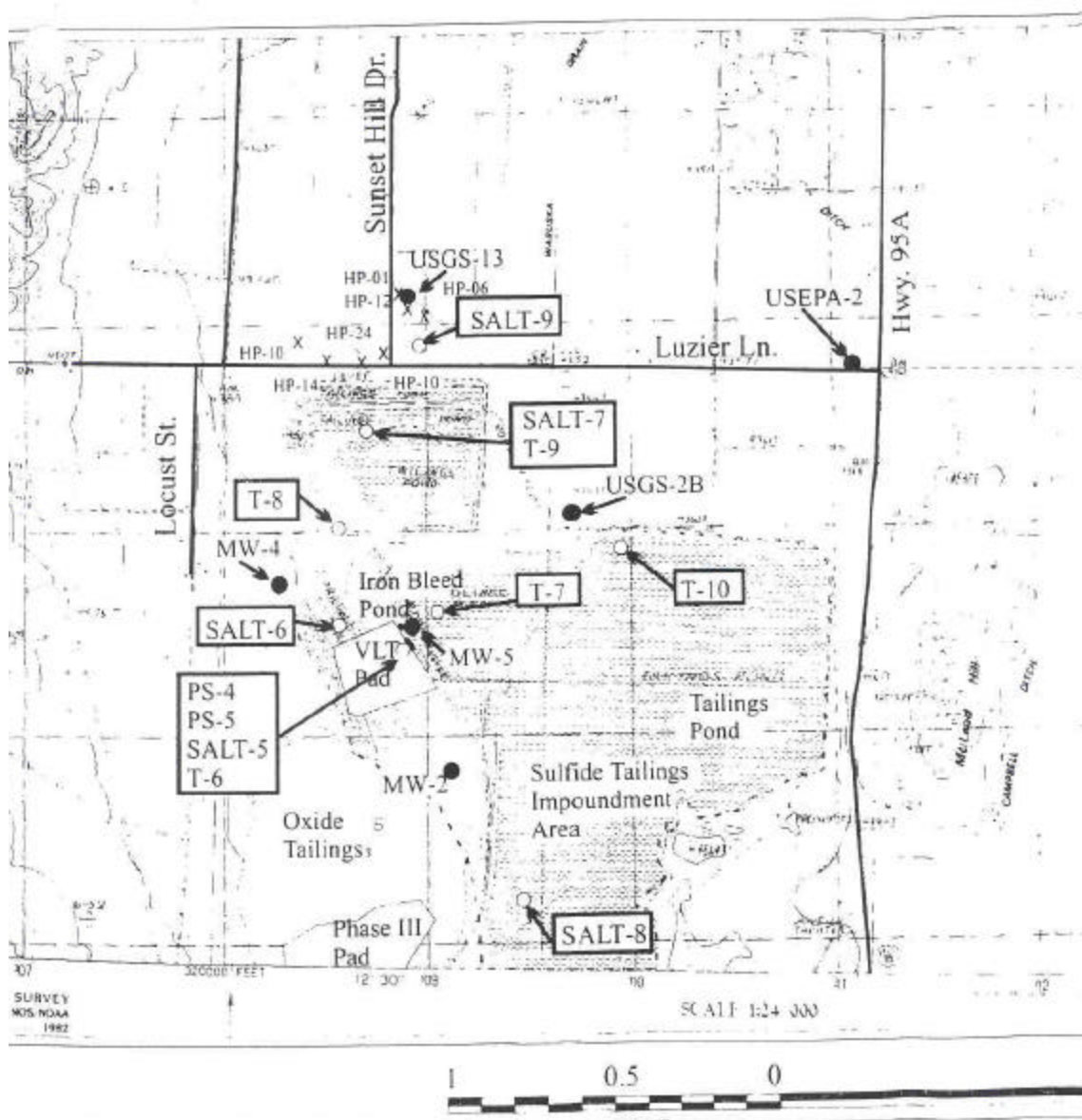
SAMPLE RECEIPT AND PRESERVATION

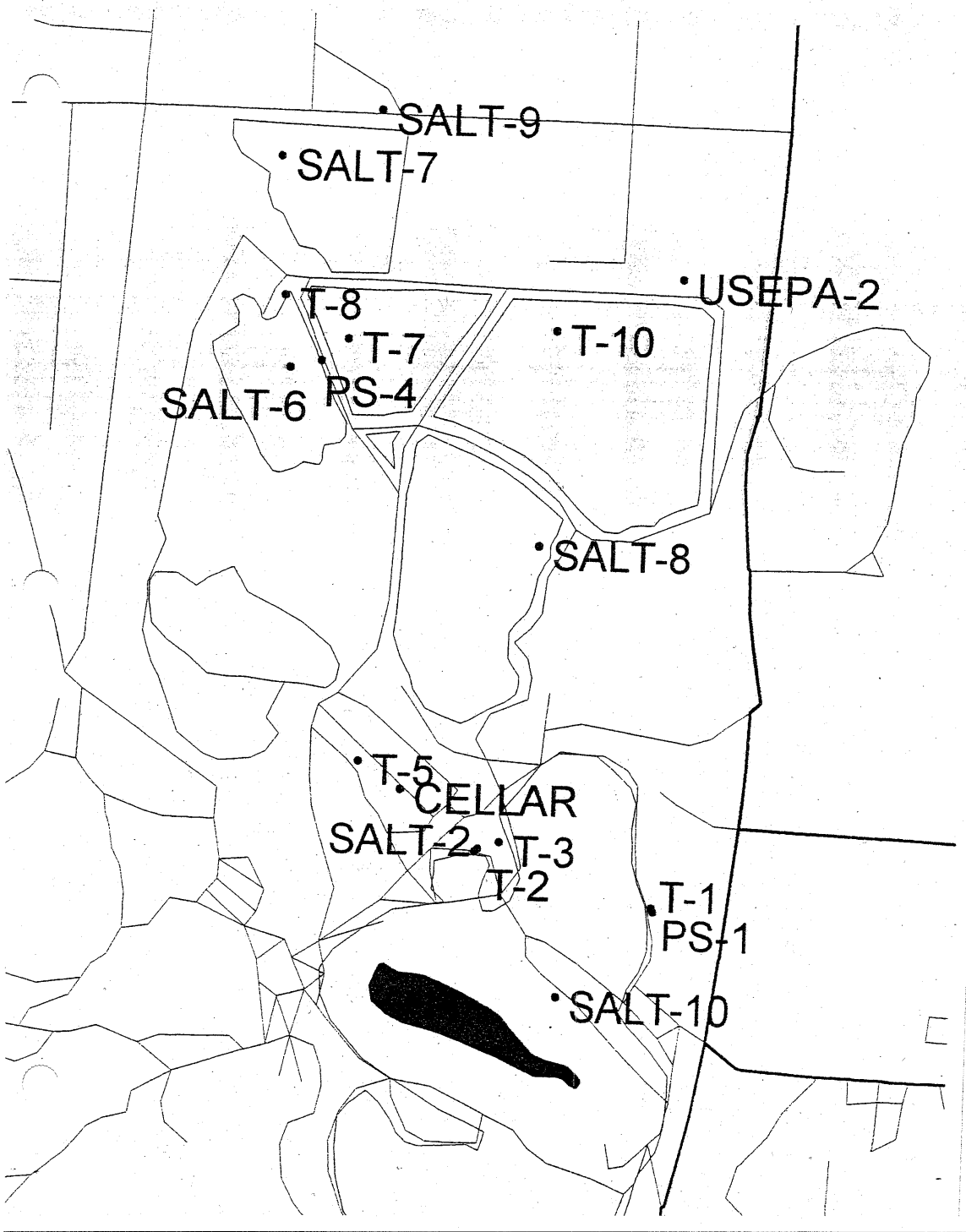
Samples T-1, T-2, T-3, T-4, T-5, T-6, T-7, T-8, T-9, T-10 and T-11 were received at 10°C, which is outside the 2-6°C temperature requirements. It is believed that this discrepancy will not have an effect on the metals results.

COMMENTS

The following comments appear on the Summary of Analytical Results:

Sample	Location description
CELLAR	Flooded cellar at process fac.
PS-1	slot collection pond
PS-2	Raffinate #2 Pond
PS-3	Megapond
PS-4	VLT leachate pad
PS-5	Duplicate of PS-4
SALT-1	slot collection pond
SALT-2	Raffinate #1 Pond
SALT-3	Phase I leach pad
SALT-4	Megapond
SALT-5	VLT leachate pad
SALT-6	North of VLT pad
SALT-7	Anaconda tailings leach pond
SALT-8	Sulfide tailings impoundment
SALT-9	North of Luzier ln.
SALT-10	Slot area near USEPA-3
SALT-11	Duplicate of SALT-2
T-1	slot tailings pile
T-2	sulfide dump pile
T-3	Phase I tailings leach pad
T-4	Anaconda Oxide stockpile
T-5	Phase II leach pad
T-6	VLT leachate pad
T-7	Anaconda sulfide tailings pond
T-8	Iron bleed tailings pond
T-9	Anaconda tailings leach pond
T-10	Sulfide tailings impoundment
T-11	Duplicate of T-2
MW-2	Monitoring well south of VLT stockpile
MW-4	Monitoring well northwest of VLT pad
MW-5	Monitoring well near NE corner of VLT leach pad.
USGS-13	Monitoring well North of site
USGS-2B	Monitoring well near old power plant north of site.
USEPA-2	Downgradient monitoring well at Luzier Ln and HWY 95A
USEPA-4	Duplicate of MW-4





SUMMARY OF ANALYTICAL RESULTS

Case Number: 1
 Site: FLEET MINE, YERINGTON
 SDG: 00299B, 00299C
 Date: 11/07/00

Analysis: Metals
 Matrix: Solids

Sample No.	N/A	SALT-8	N/A	SALT-9	N/A	SALT-10	N/A	SALT-11	N/A	ICP	GFAA
Lab Sample I.D.	AB28943	AB28944	AB28945	AB28946	AB28947	AB28948	AB28949	AB28950	AB28951	Blank-1	Blank-1
Date of Collection	10/19/00	10/19/00	10/19/00	10/19/00	10/19/00	10/19/00	10/19/00	10/19/00	10/19/00	N/A	N/A
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Analyte	Result	Q	Com	Result	Q	Com	Result	Q	Com	Result	Q
Antimony	20	U		20	U		30	U		20	U
Barium	20	U		110	U		20	U		10	U
Bismuth	2	U		1	U		2	U		1	U
Cadmium	13	U		15	U		2	U		2	U
Chromium	850	U		83	U		13000	U		4	U
Copper	3	U		9	U		5	U		30	U
Lead	70	U		470	U		1500	U		10	U
Manganese	6	U		10	U		40	U		10	U
Nickel	8	U		8	U		10	U		10	U
Selenium	10000	U		56000	U		2700	U		100	U
Silver	29	U		150	U		7	U		4	U
Zinc	14	U		98	U		60	U		4	U
% Solids	96			98			60			N/A	N/A

Com - Comments refer to the corresponding section in the report narrative for each letter.
 I/A - Not Applicable.
 I/R - Not Required.

U - The parameter was analyzed for, but was not detected. The associated value is the sample quantification limit, adjusted for dilution, if any.

- The associated value is an estimated quantity.
 If results are in mg/kg dry weight.

Table 1A
Summary of Analytical Results[illegible]